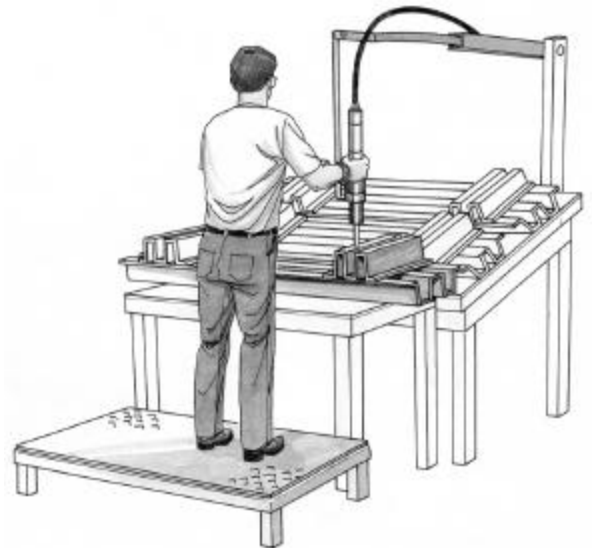
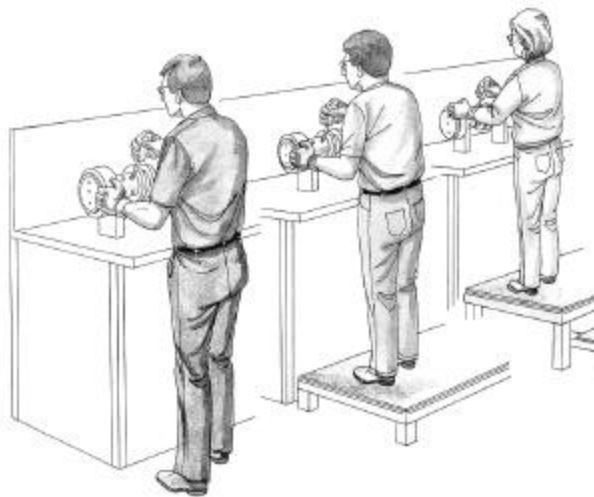
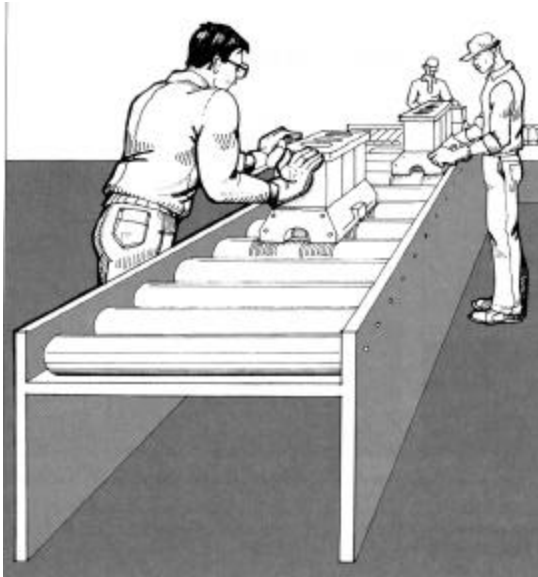


Concise Explanatory Statement

(RCW 34.05.325.6a)

Appendices



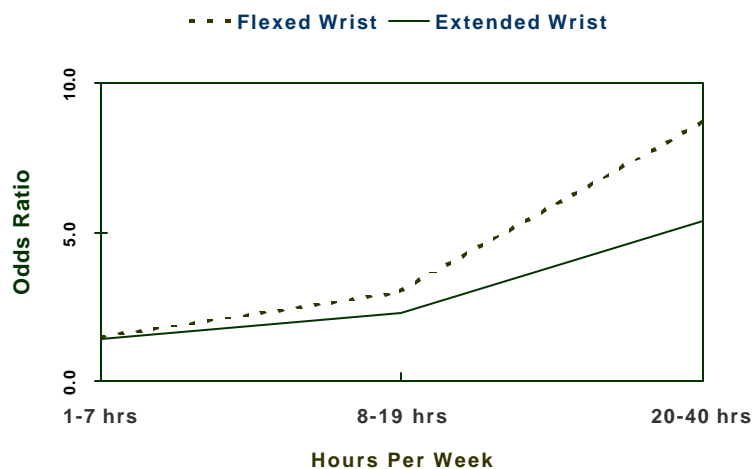
Illustrations from *Ergonomic Checkpoints* by the International Labour Organization (ILO), and *Practical Ergonomics* by the UAW-GM Ergonomics Task Force

APPENDIX A:
INDUSTRY RANKS FOR NECK, BACK AND UPPER EXTREMITY
WMSDS, STATE FUND AND SELF-INSURED EMPLOYERS,
COMPENSABLE CLAIMS 1990-1998, THREE DIGIT SIC

Rank	Industries Ranked by Claims Rate	Industries Ranked by Numbers of Claims	Industries Ranked by Prevention Index
1	Masonry, Stonework, Tile Setting and Plastering (174)	Grocery Stores (541)	Trucking and Courier Services, Except Air (421)
2	Roofing, Siding and Sheet Metal Work (176)	Hospitals (806)	Nursing and Personal Care Facilities (805)
3	Nursing and Personal Care Facilities (805)	Aircraft and Parts (372)	Masonry, Stonework, Tile Setting and Plastering (174)
4	Trucking and Courier Services, Except Air (421)	Trucking and Courier Services, Except Air (421)	Air Transportation, Scheduled, and Air Courier Services (451)
5	Concrete Work (177)	Eating and Drinking Places (581)	General Building Contractors – Residential Buildings (152)
6	Air Transportation, Scheduled, and Air Courier Services (451)	Nursing and Personal Care Facilities (805)	Roofing, Siding, And Sheet Metal Work (176)
7	Footwear except Rubber (314)	Elementary and Secondary Schools (821)	Carpentry and Floor Work (175)
8	Administration of Veterans' Affairs, Except Health and Insurance (945)	General Building Contractors – Residential Buildings (152)	Residential Care (836)
9	Rolling, Drawing and Extruding of Nonferrous Metals (335)	Personnel Supply Services (736)	Grocery Stores (541)
10	Intercity and Rural Bus Transportation (413)	Groceries and Related Products (514)	Concrete Work (177)
11	Local and Suburban Passenger Transportation (411)	Air Transportation, Scheduled, and Air Courier Services (451)	Landscape and Horticultural Services (078)
12	Carpentry and Floor Work (175)	Executive Offices (911)	Sawmills and Planing Mills (242)
13	Wood Containers (244)	Masonry, Stonework, Tile Setting and Plastering (174)	Services to Dwellings and Other Buildings (734)
14	Cut Stone and Stone Products (328)	Plumbing, Heating and Air-conditioning (171)	Rolling, Drawing and Extruding of Nonferrous Metals (335)
15	Landscape and Horticultural Services (078)	Legislative Bodies (912)	Variety Stores (533)
16	Converted Paper and Paperboards Products, Except Containers (267)	Misc. Special Trade Contractors (179)	Misc. Special Trade Contractors (179)
17	Dairy Products (202)	Hotels and Motels (701)	Hospitals (806)
18	Reupholstery and Furniture Repair (764)	Millwork, veneer, plywood and Structural Wood (243)	Local and Suburban Passenger Transportation (411)
19	Water Well Drilling (178)	Services to Dwellings and Other Buildings (734)	Heavy Construction except Highway and Street (162)
20	Residential Care (836)	Residential Care (836)	Rooming and Boarding Houses

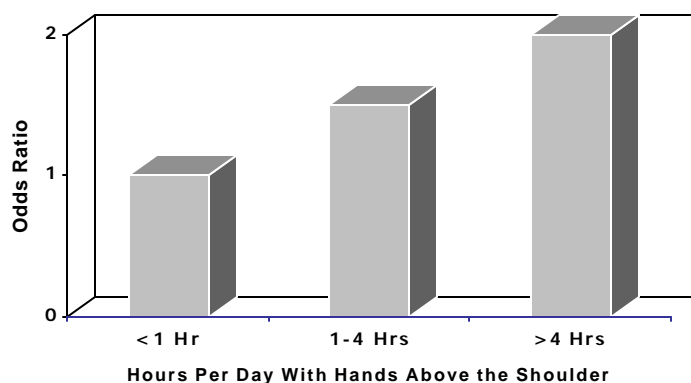
APPENDIX B: FIGURES ILLUSTRATING RELATIONSHIPS BETWEEN EXPOSURE AND WMSDs

Relationship Between Awkward Posture and Carpal Tunnel Syndrome



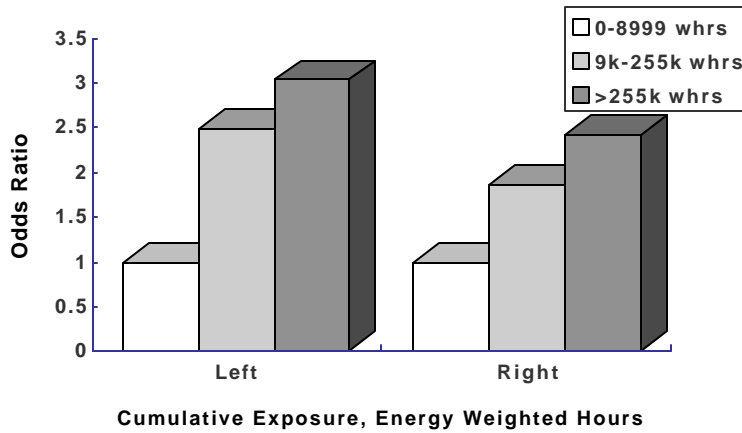
Dekrom et. al., 1990

Relationship Between Awkward Posture and Shoulder Disorders



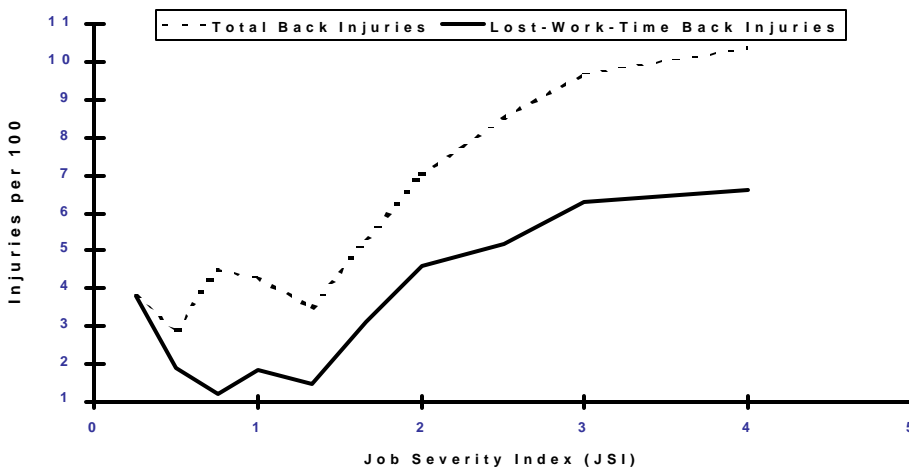
Holmstrom, 1992

Relationship Between Vibration and Shoulder Tendinitis



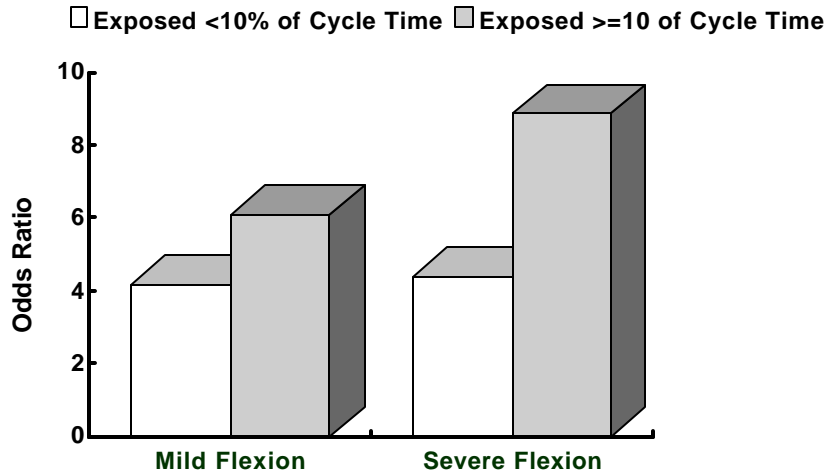
Stenlund et al 1993 (b)

Relationship Between Job Severity Index and Back WMSDs



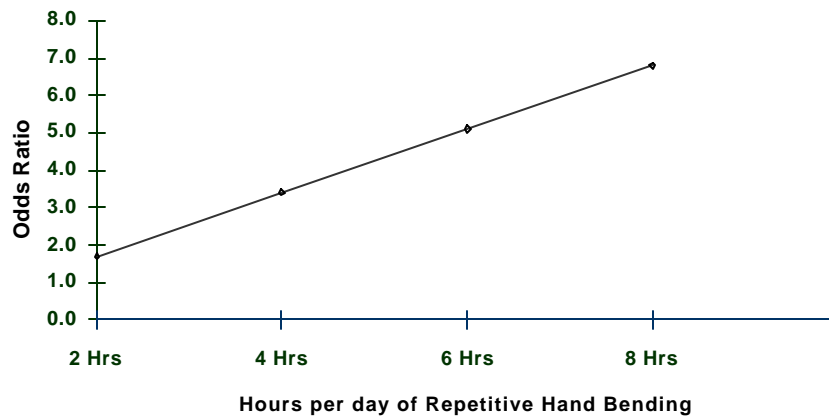
Liles, 1984

Relationship Between Exposure Duration & Intensity and Back WMSDs



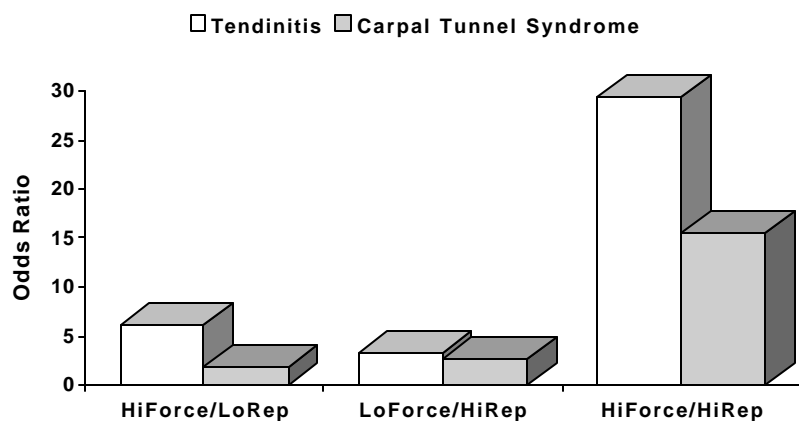
Punnett et al, 1991

Relationship Between Repetitive Motion and Carpal Tunnel Syndrome*



*Self reported CTS
NHIS-OHS 1988, Blanc et al, 1996

Relationship Between Forceful & Repetitive Motion and WMSDs of the Hand & Wrist



Silverstein et al. 1986,1987
Armstrong 1987